

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Minas H. Tanielian

Attorney Docket No. BOEI-1-1214

Serial No.:

10/652,449

Group Art Unit:

3746

Filing Date: August 29, 2003

Examiner:

Title:

SOLID STATE THERMAL ENGINE

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information related to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith, along with a return receipt postcard.

Respectfully submitted,

BLACK LOWE & GRAHAMPLLC

Michael S. Smith Registration No. 39,563

Direct Dial: 206.749.9888

Maria Capa (Asia) (1997) da kanga matapaksa basil da kabasa basil



MAIL CERTIFICATE

I hereby certify that this communication is being deposited with the United States Postal Service via first class mail under 37 C.F.R. § 1.08 on the date indicated below addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, Washington, D.C., 20239.

Date of Deposit

Michelle J. Carman

BOEI-1-1214T1.04 IDS

- 2 -

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Complete if Known

Substitute for form 1449A/PTO **Application Number** 10/652,449 INFORMATION DISCLOSURE August 29, 2003 Filing Date STATEMENT BY APPLICANT **First Named Inventor** Minas H. Tanielian Art Unit 3746 (use as many sheets as necessary) **Examiner Name** Sheet of Attorney Docket Number 1 BOEI-1-1214

| | | | | U.S. PATI | ENT DOCUMENTS | |
|--|-----|----------------------------------|--------|--------------------------------|--|---|
| Examiner Initials | | Document Num Number- Kind Coo | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | U18 | us- 6,229 | ,083 | 05-08-2001 | Edelson | |
| | U19 | US- 2003/00 | 42819 | 03-06-2003 | Martinovsky et al. | |
| | | US- | | | | |
| | | US- | | | | |
| | | us- | | ••••• | | |
| | | us- | | | | |
| ······································ | | us- | | | | |
| | | US- | | | | |
| | | us- | | | | |
| | | US- | | | | |
| ······································ | | US- | ···· | | | |
| | | US- | ······ | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | US- | | ····· | | |
| ******* | | US- | | | | |
| | | US- | | | | |
| | | US- | | | | |
| | | us- | | | | |
| | l | US- | | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|----------------------|--|--|--|--|---|---|--|--|--|
| Examiner Initials | Cite No. 1 Country Code 3 - Number 4 - Kind Code 5 (if known | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | | |
| | | | ATTITUTE OF THE STATE OF THE ST | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| - | | | | | | _ | | | |
| | *************************************** | | | | | _ | | | |

| Examiner | Date |
|-----------|------------|
| Signature | Considered |

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

十

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substitute fo | or form 1449B/PT(| 0 | | Complete if Known | | |
|---------------|-------------------|----------------------|----------|------------------------|----------------------|--|
| INFOR | MATION | I DICO | COURT | Application Number | IN THE UNITED STATES | |
| INFOR | KIVIATION | I DISC | LOSURE | Filing Date | August 29, 2003 | |
| STATI | EMENT F | RY APE | PLICANT | First Named Inventor | Minas H. Tanielian | |
| | | <i>,</i> , , , , , , | | Group Art Unit | 3746 | |
| | (use as many s | heets as ne | cessary) | Examiner Name | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | BOEI-1-1214 | |

| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | 1 |
|--|---|---|---|
| | 01 | HISHINUMA Y ET AL., Refrigeration by combined tunneling and termionic emission in vacuum: Use of a nanometer scale design, Applied Physics Letters, American Institute of Physics, April 23, 2001, pages 2572-2574, New York | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | . 14 4 100 100 100 100 100 100 100 100 10 | | |
| ······································ | | | |
| | | | _ |
| | | | |
| | | | |
| | | | |
| | | | |

| Examiner | Date | |
|-----------|------------|--|
| Signature | Considered | |

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.